

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000621.D
 Acq On : 27 Feb 2015 23:52
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-WATER-0.4PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 01:11:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM022715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 23:02:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	3061	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	10169	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5369	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	10847	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	7598	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	6494	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	34	0.02	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.06	152	3549	0.29	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	6145	0.31	ng/ul	0.01

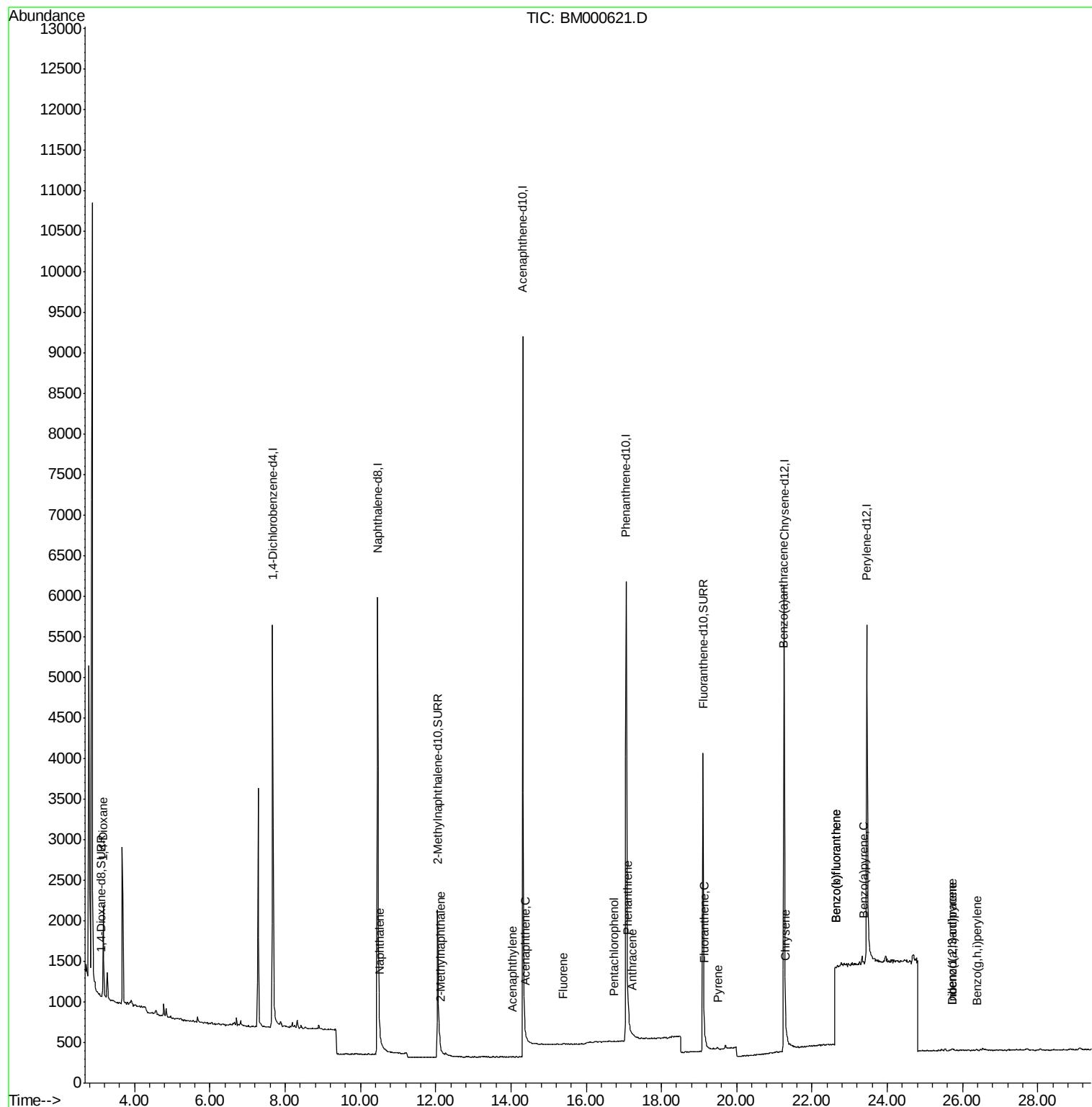
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	1896	0.60	ng/ul#	50
5) Naphthalene	10.50	128	20	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.13	142	9	0.00	ng/ul	88
9) Acenaphthylene	14.04	152	3	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	10	0.00	ng/ul#	74
11) Fluorene	15.38	166	7	0.00	ng/ul#	51
13) Pentachlorophenol	16.74	266	5	0.00	ng/ul#	53
14) Phenanthrene	17.10	178	39	0.00	ng/ul#	1
15) Anthracene	17.24	178	11	0.00	ng/ul#	1
17) Fluoranthene	19.12	202	26	0.00	ng/ul#	1
19) Pyrene	19.50	202	21	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.25	228	51	0.00	ng/ul#	1
21) Chrysene	21.29	228	45	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.63	252	559	0.03	ng/ul#	1
24) Benzo(k)fluoranthene	22.63	252	559	0.03	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	62	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.72	276	30	0.00	ng/ul#	87
27) Dibenzo(a,h)anthracene	25.72	278	25	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.39	276	36	0.00	ng/ul#	1

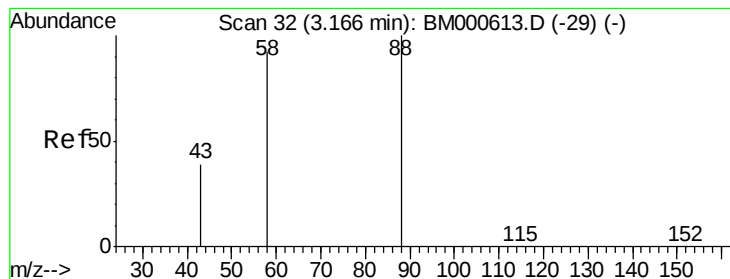
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.60 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampleId :

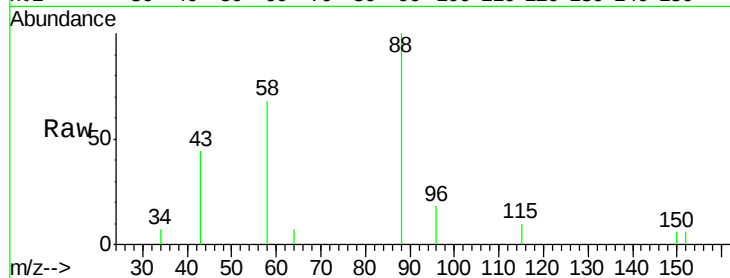
Tgt Ion: 88 Resp: 1896

Ion Ratio Lower Upper

88 100

58 38.8 62.7 94.1#

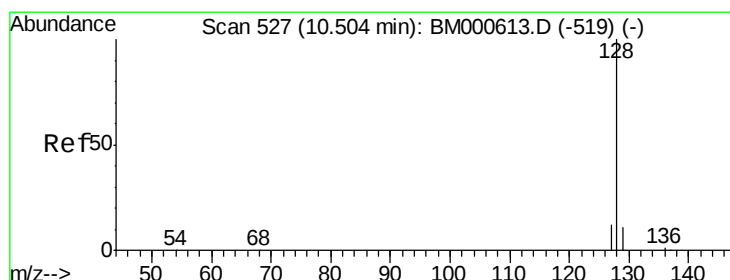
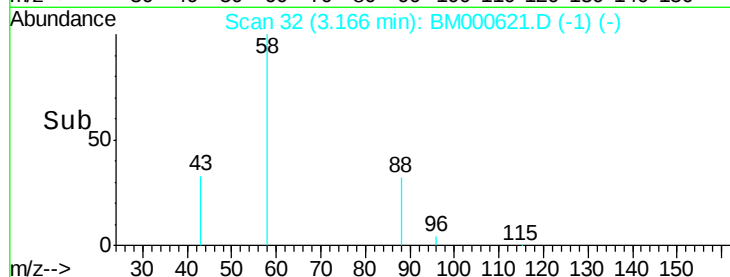
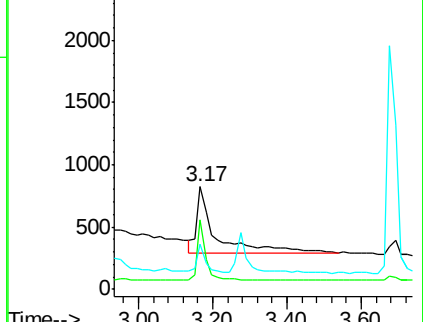
43 0.0 28.8 43.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000621.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM000621.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM000621.D (-1) (-)



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

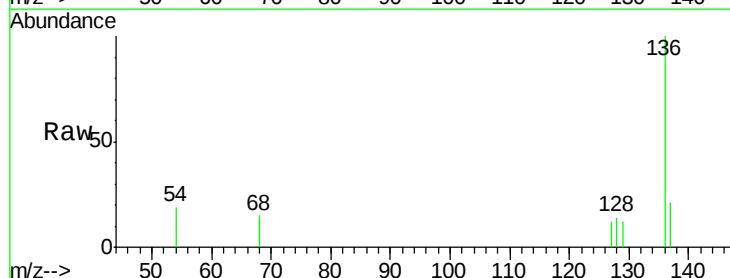
Tgt Ion: 128 Resp: 20

Ion Ratio Lower Upper

128 100

129 87.7 9.4 14.0#

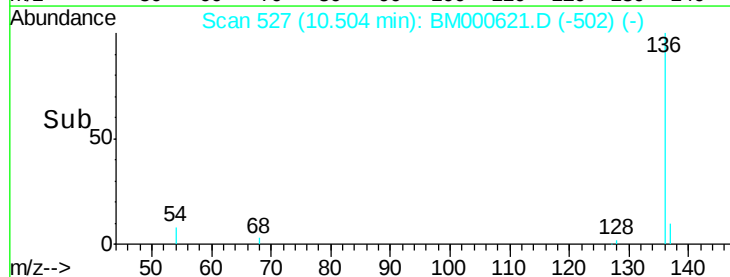
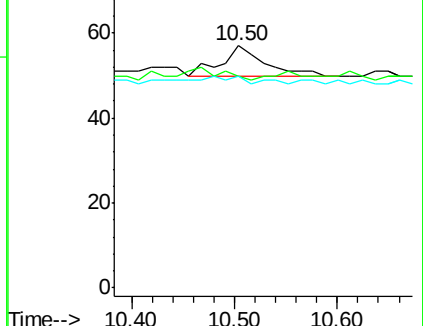
127 87.7 10.0 15.0#

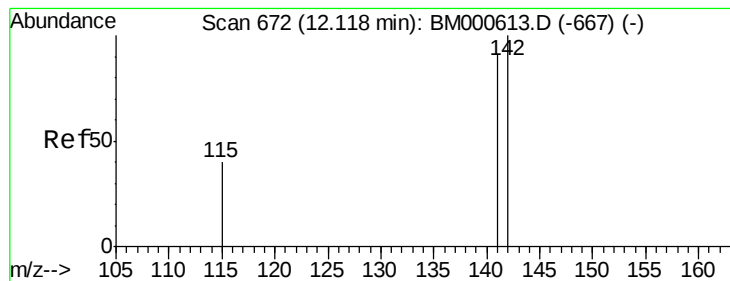


Abundance Ion 128.00 (127.70 to 128.70): BM000621.D (-502) (-)

Ion 129.00 (128.70 to 129.70): BM000621.D (-502) (-)

Ion 127.00 (126.70 to 127.70): BM000621.D (-502) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.13 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

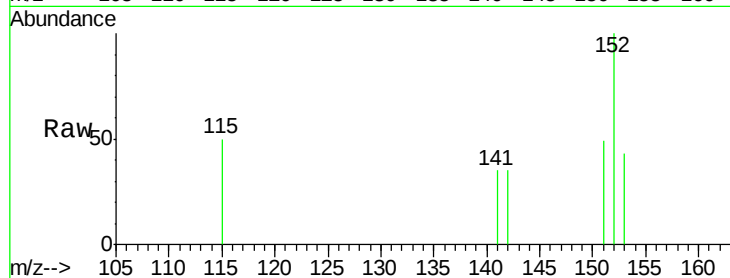
ClientSampleId :

Tgt Ion:142 Resp: 9

Ion Ratio Lower Upper

142 100

141 100.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.13

50

40

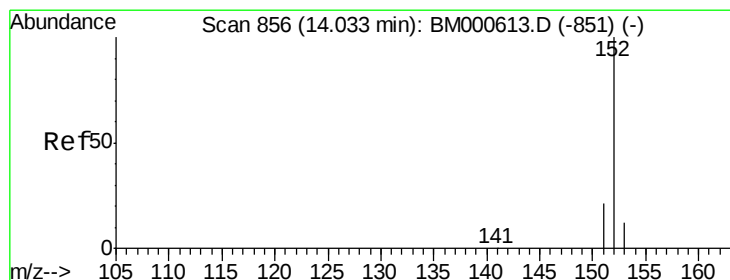
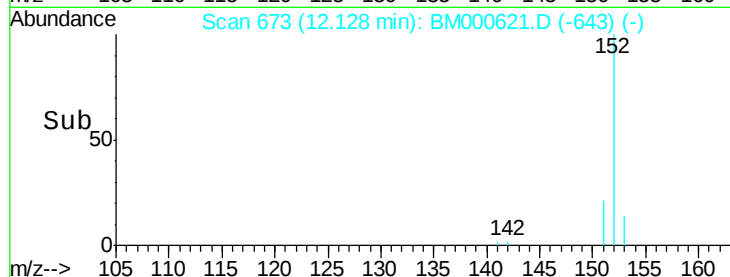
30

20

10

0

Time--> 12.10 12.15 12.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

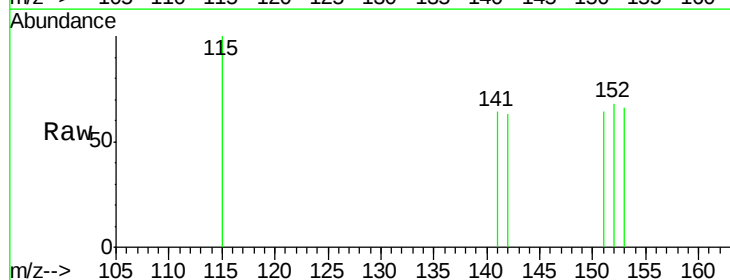
Tgt Ion:152 Resp: 3

Ion Ratio Lower Upper

152 100

151 94.2 17.0 25.6#

153 96.2 9.9 14.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.04

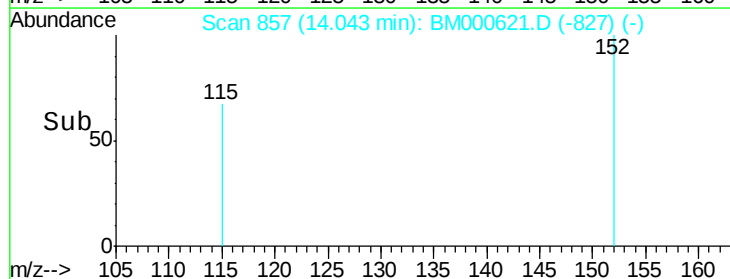
60

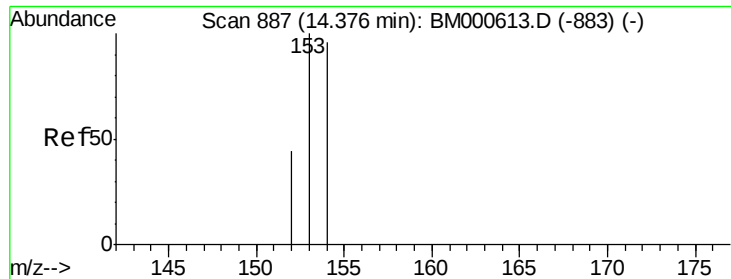
40

20

0

Time--> 14.00 14.05





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampleId :

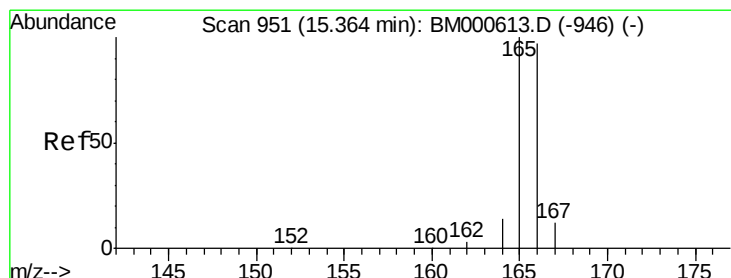
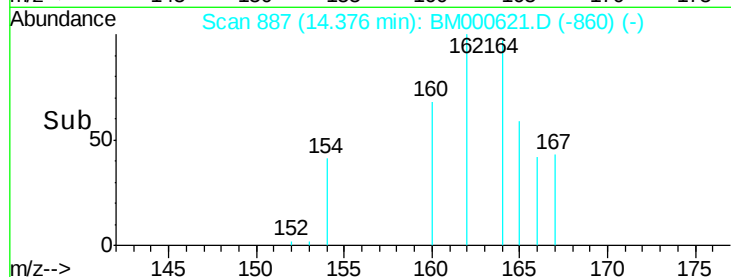
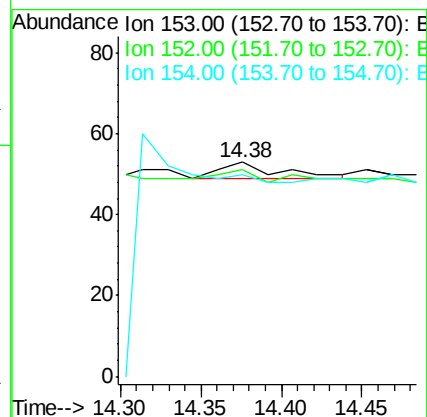
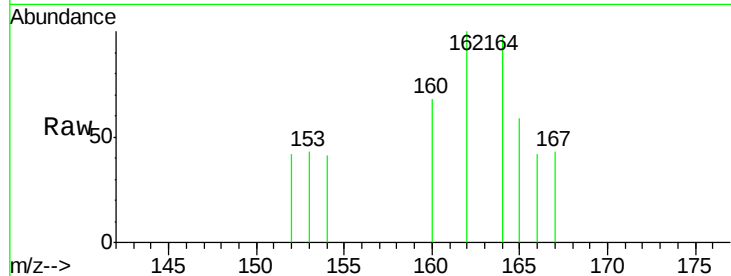
Tgt Ion:153 Resp: 10

Ion Ratio Lower Upper

153 100

152 96.2 35.9 53.9#

154 94.3 76.9 115.3



#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.38 min Scan# 952

Delta R.T. 0.02 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

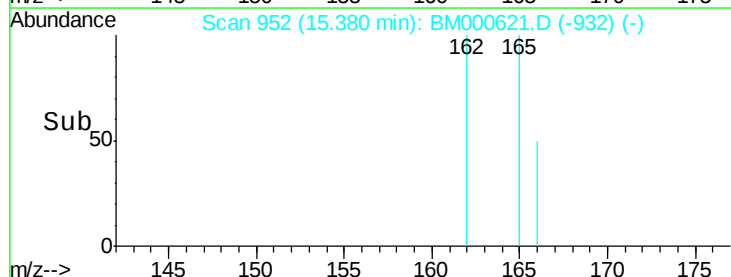
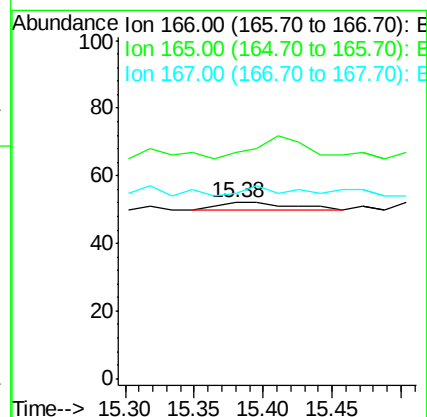
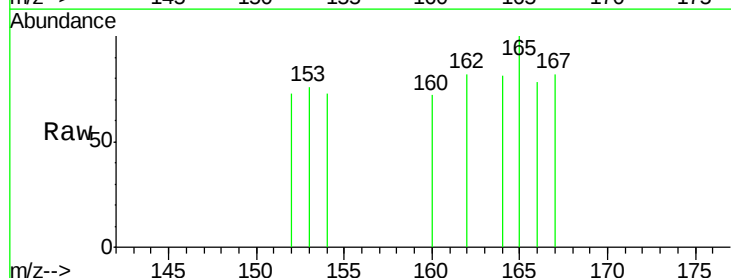
Tgt Ion:166 Resp: 7

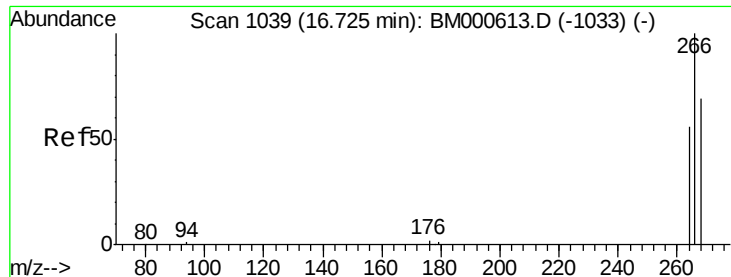
Ion Ratio Lower Upper

166 100

165 128.8 82.5 123.7#

167 105.8 10.6 16.0#

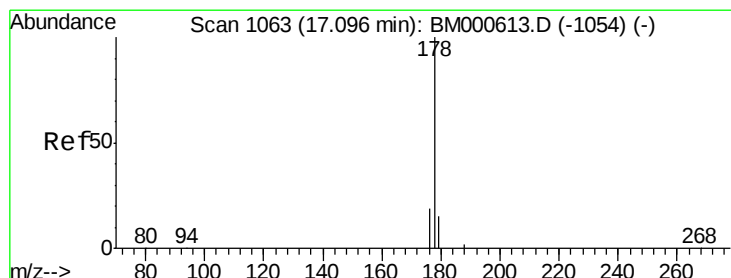
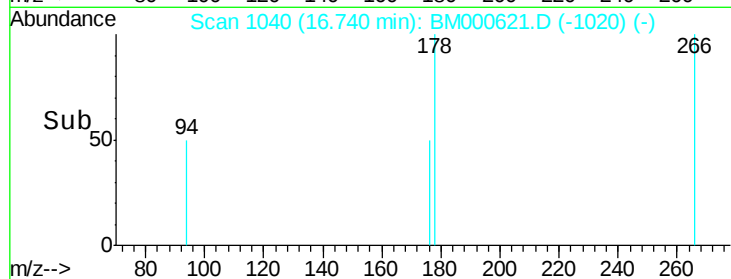
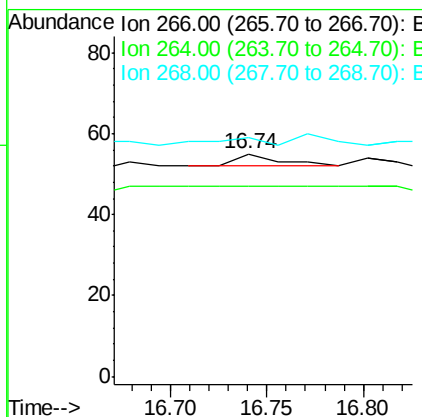
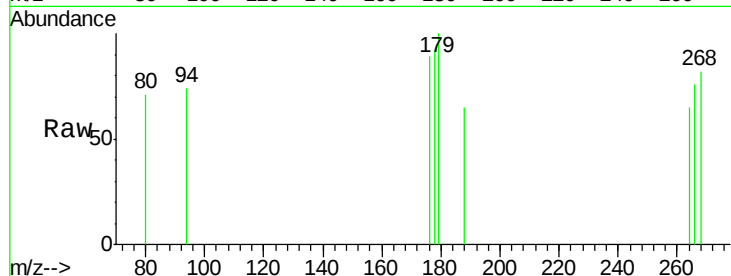




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.74 min Scan# 1040
 Delta R.T. 0.02 min
 Lab File: BM000621.D
 Acq: 27 Feb 2015 23:52

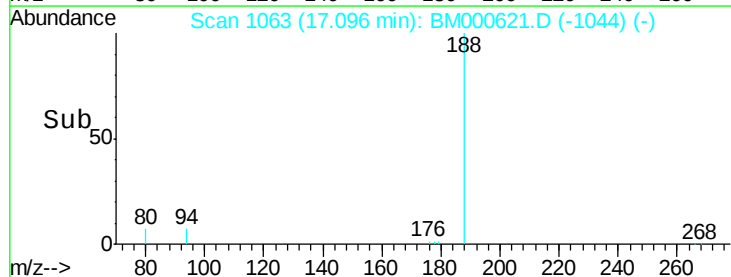
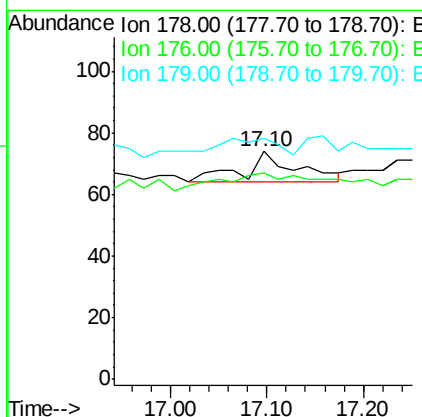
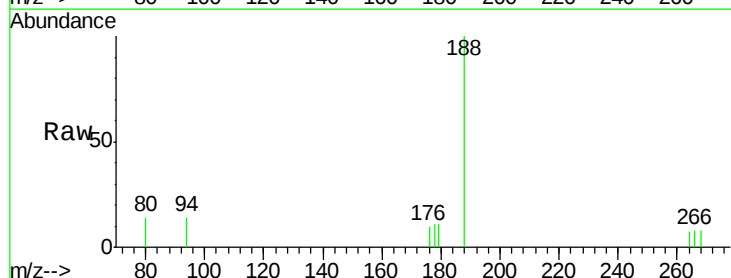
Instrument :
 BNA_M
 ClientSampleId :

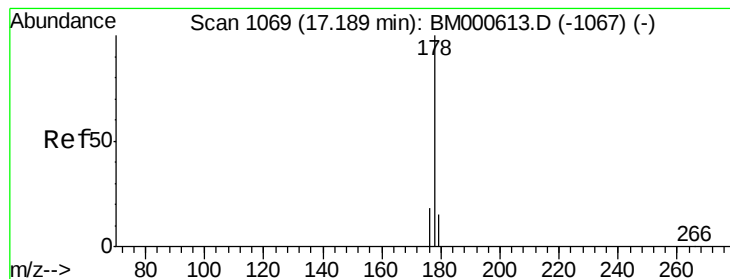
Tgt Ion: 266 Resp: 5
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.0 76.6#
 268 80.0 54.9 82.3



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000621.D
 Acq: 27 Feb 2015 23:52

Tgt Ion: 178 Resp: 39
 Ion Ratio Lower Upper
 178 100
 176 90.5 15.3 22.9#
 179 105.4 12.2 18.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.24 min Scan# 1072

Delta R.T. 0.05 min

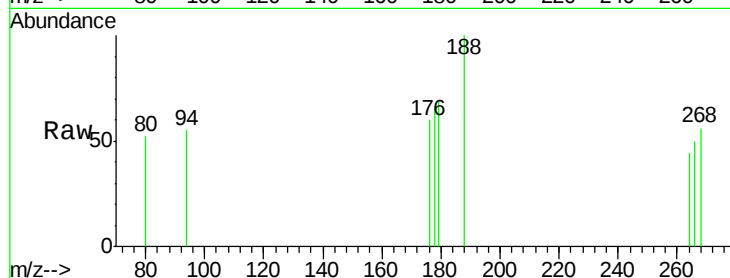
Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampleId :



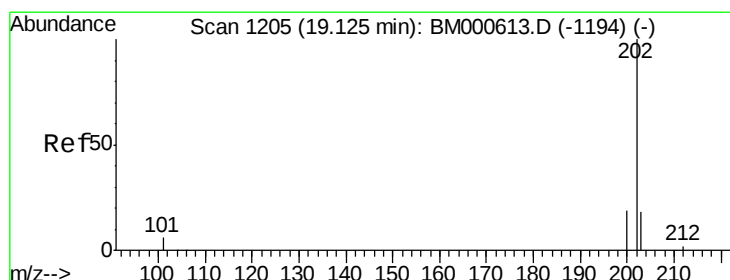
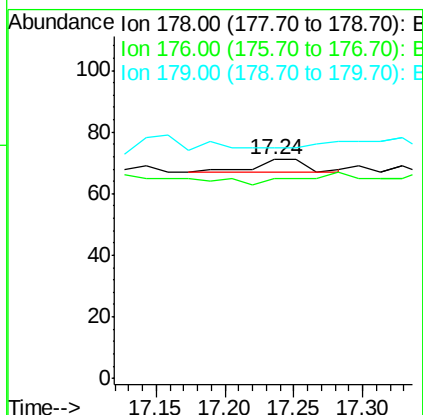
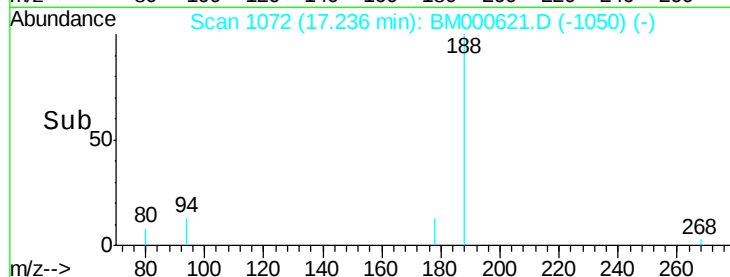
Tgt Ion:178 Resp: 11

Ion Ratio Lower Upper

178 100

176 91.5 14.6 22.0#

179 105.6 12.9 19.3#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

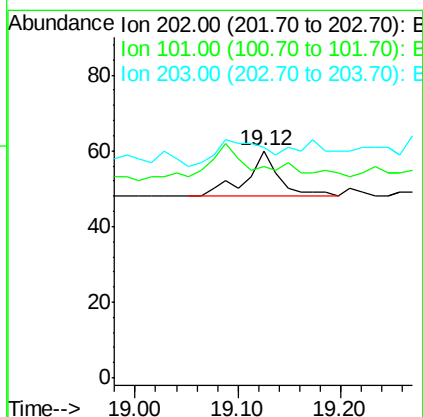
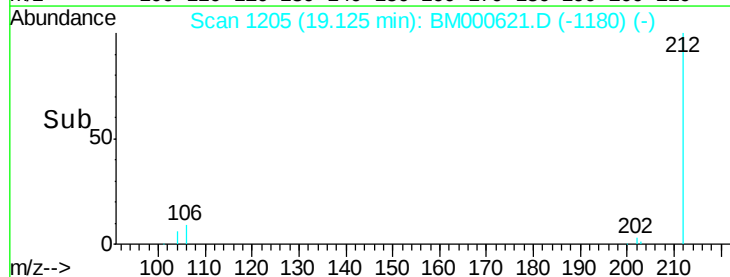
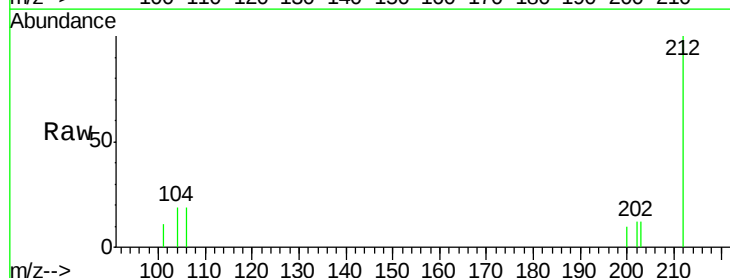
Tgt Ion:202 Resp: 26

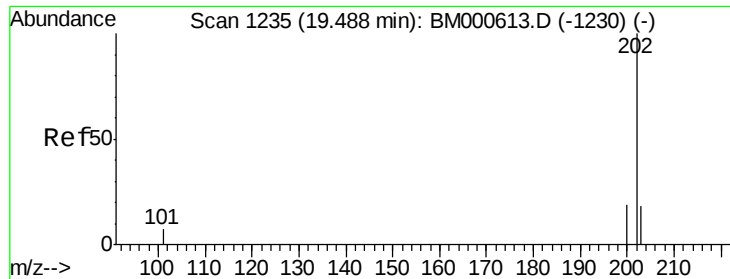
Ion Ratio Lower Upper

202 100

101 93.3 0.0 26.2#

203 101.7 0.0 38.3#





#19

Pyrene

Concen: 0.00 ng/ul

RT: 19.50 min Scan# 1236

Delta R.T. 0.01 min

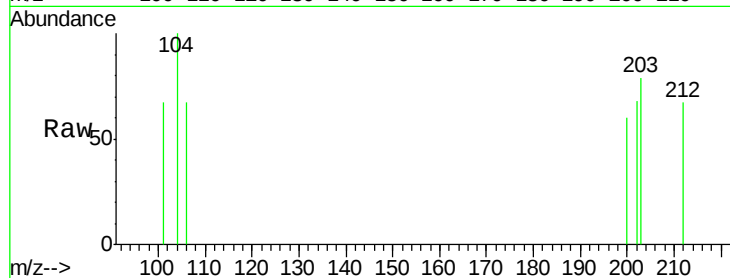
Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampled :



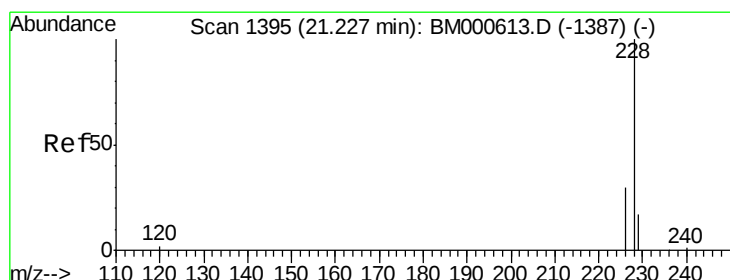
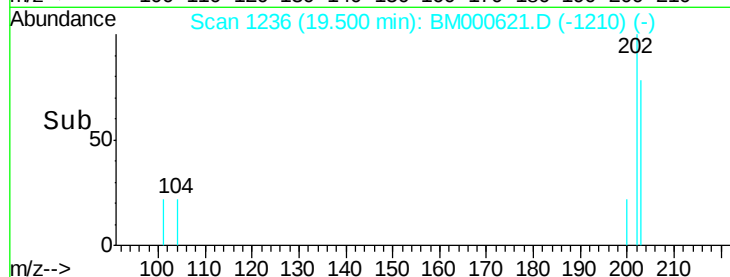
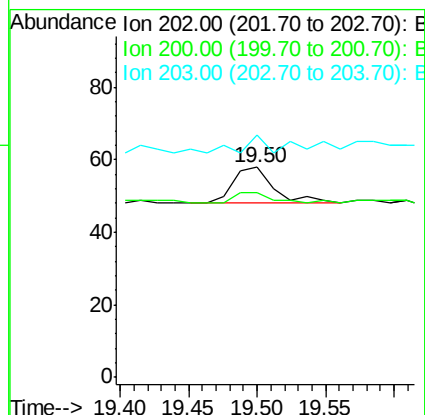
Tgt Ion: 202 Resp: 21

Ion Ratio Lower Upper

202 100

200 87.9 15.7 23.5#

203 115.5 14.8 22.2#



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.25 min Scan# 1397

Delta R.T. 0.02 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

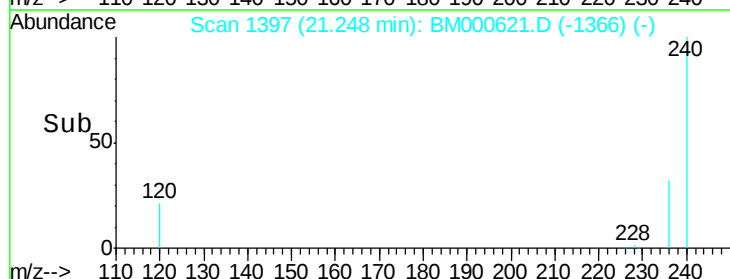
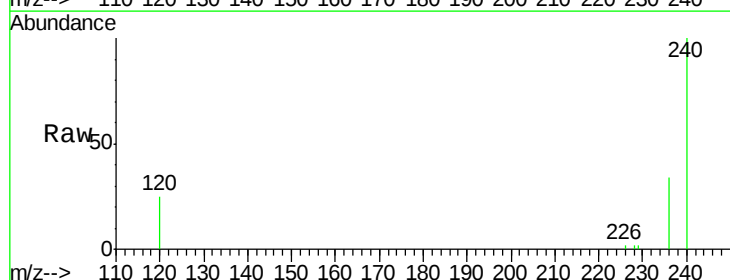
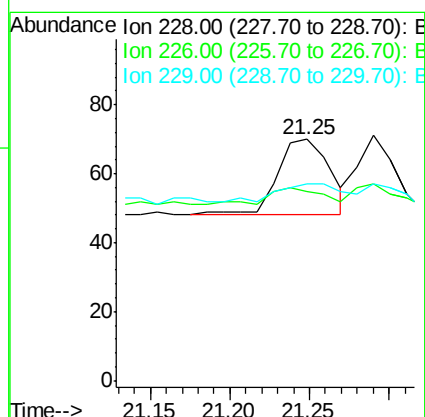
Tgt Ion: 228 Resp: 51

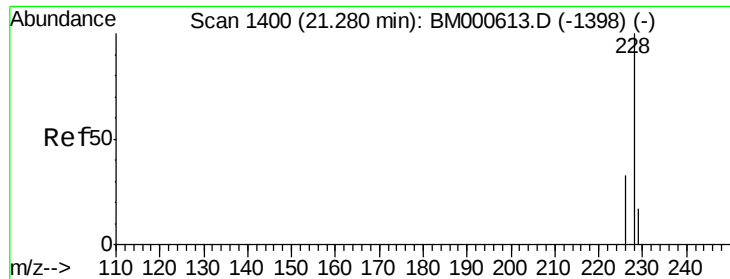
Ion Ratio Lower Upper

228 100

226 78.6 24.1 36.1#

229 81.4 14.2 21.4#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampleId :

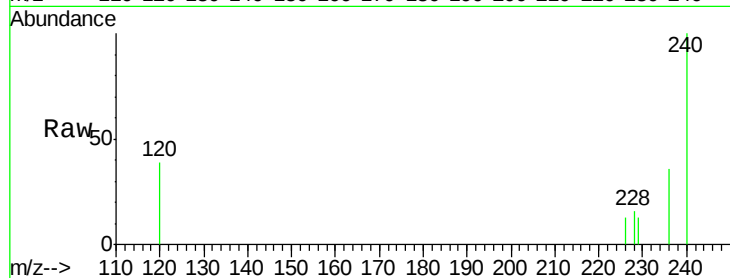
Tgt Ion:228 Resp: 45

Ion Ratio Lower Upper

228 100

226 80.3 26.5 39.7#

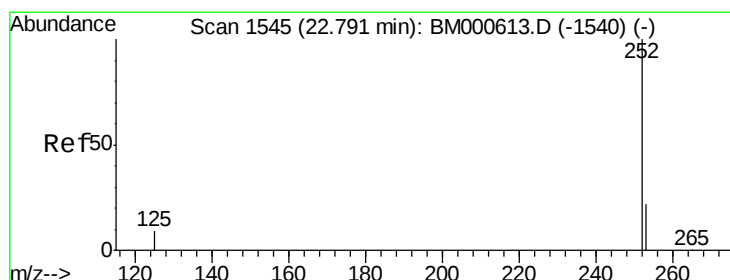
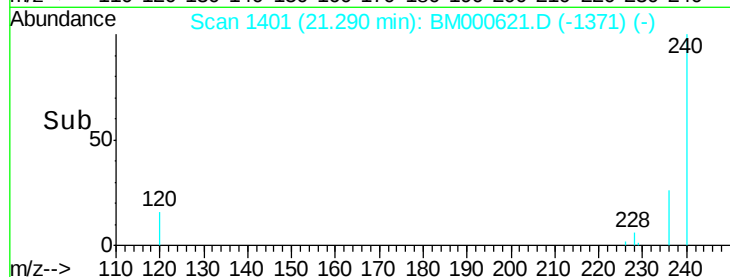
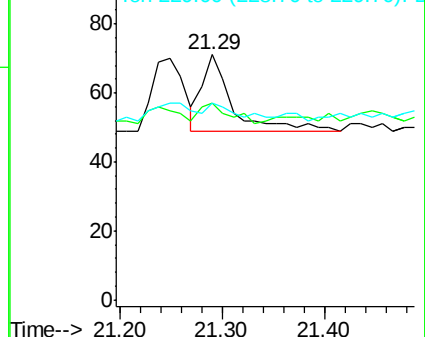
229 80.3 14.3 21.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.63 min Scan# 1530

Delta R.T. -0.16 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

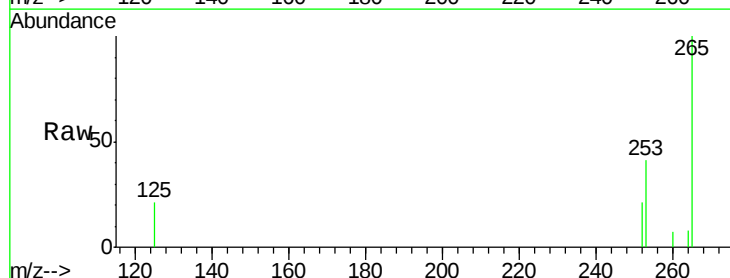
Tgt Ion:252 Resp: 559

Ion Ratio Lower Upper

252 100

253 194.1 0.0 51.2#

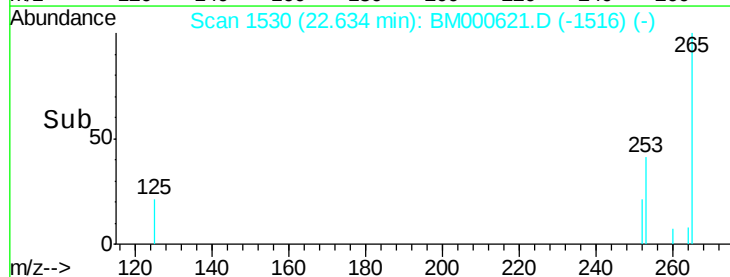
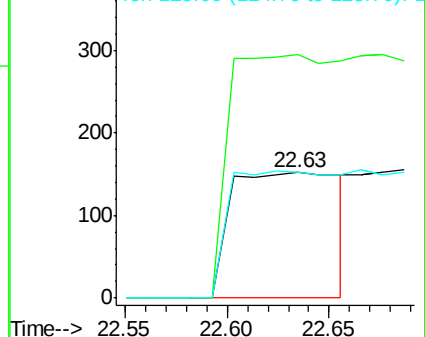
125 100.0 0.0 22.8#

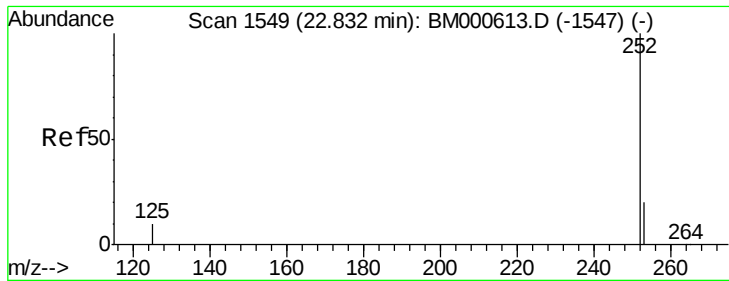


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.63 min Scan# 1530

Delta R.T. -0.20 min

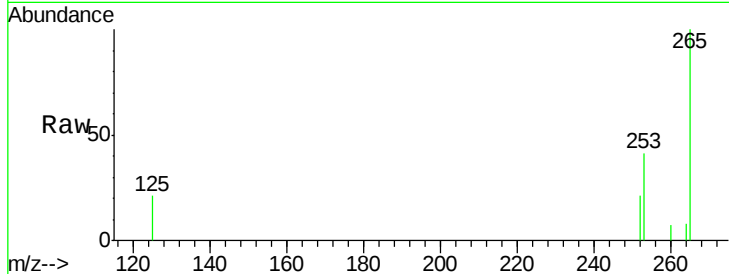
Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampleId :



Tgt Ion: 252 Resp: 559

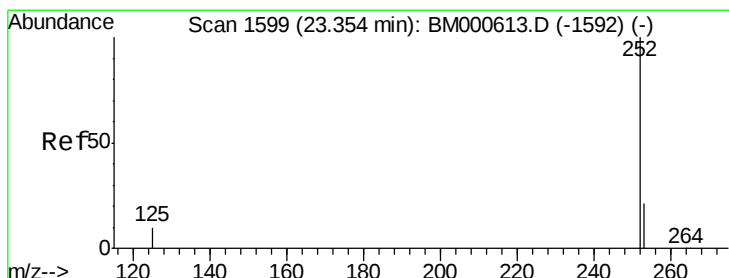
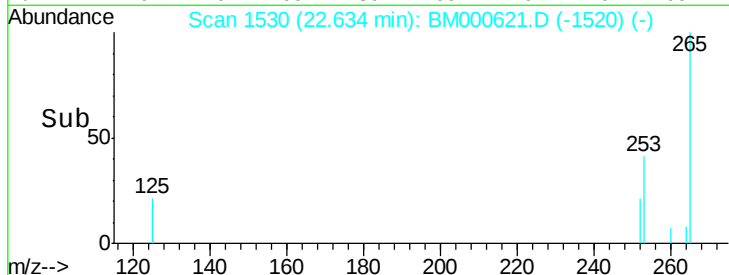
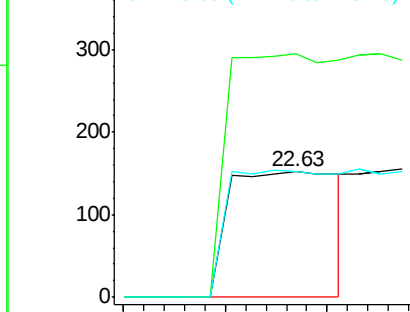
Ion Ratio Lower Upper

252 100

253 194.1 20.2 30.2#

125 100.0 9.6 14.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.37 min Scan# 1601

Delta R.T. 0.02 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Tgt Ion: 252 Resp: 62

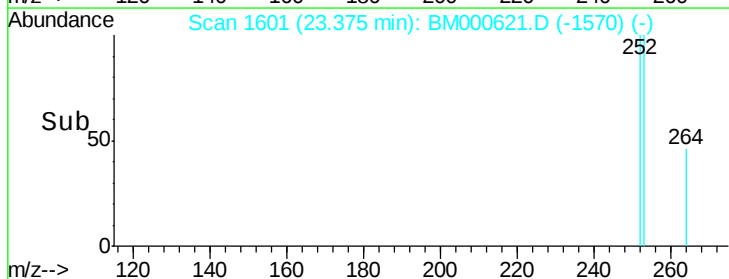
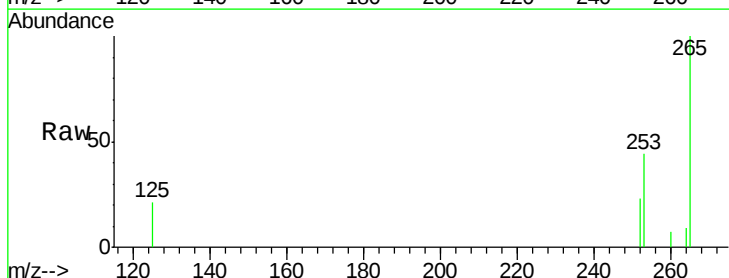
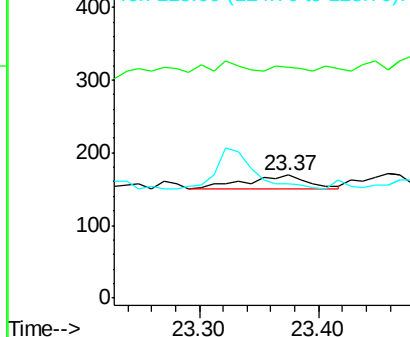
Ion Ratio Lower Upper

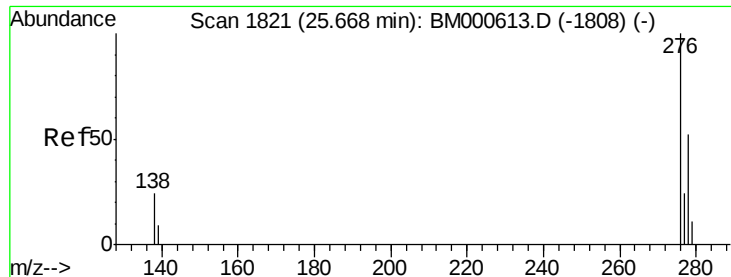
252 100

253 188.2 21.3 31.9#

125 92.9 10.6 15.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.72 min Scan# 1826

Delta R.T. 0.05 min

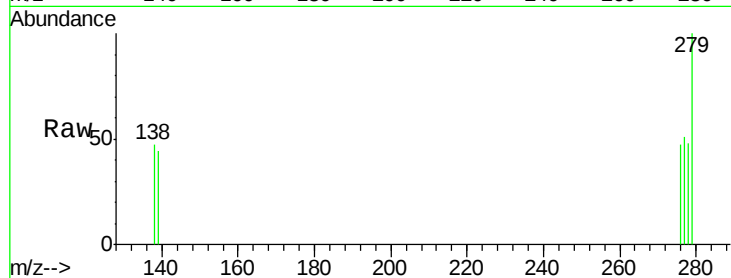
Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampleId :



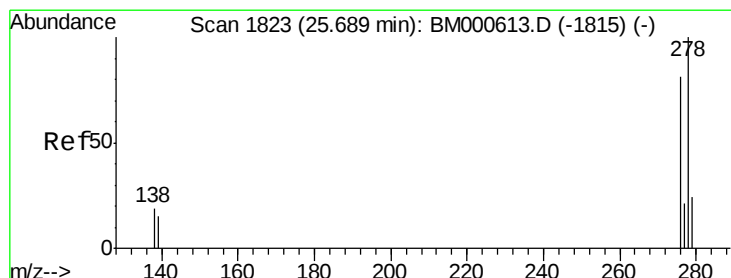
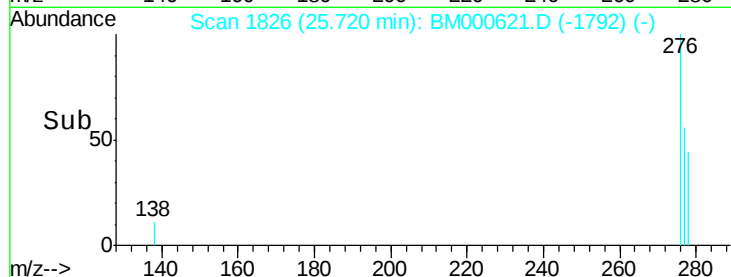
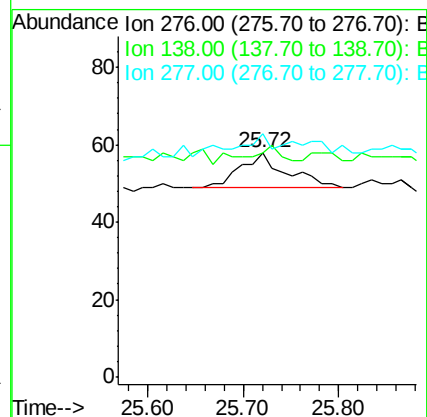
Tgt Ion: 276 Resp: 30

Ion Ratio Lower Upper

276 100

138 13.3 19.7 29.5#

277 26.7 19.9 29.9



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.72 min Scan# 1826

Delta R.T. 0.03 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

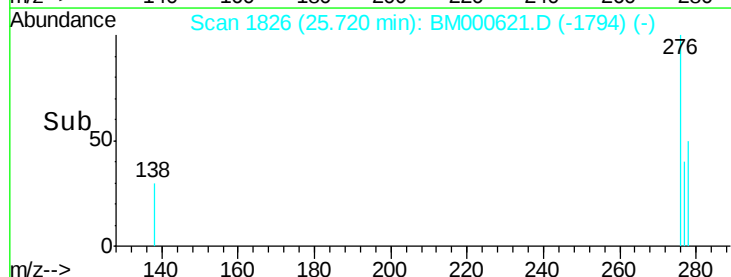
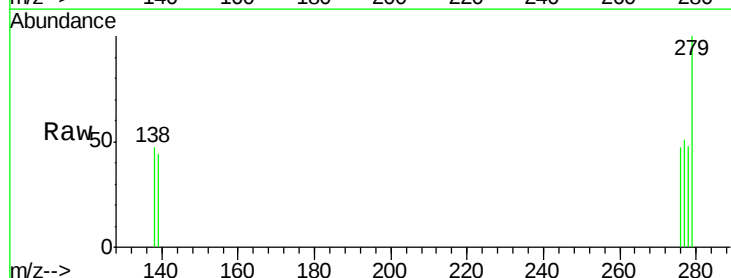
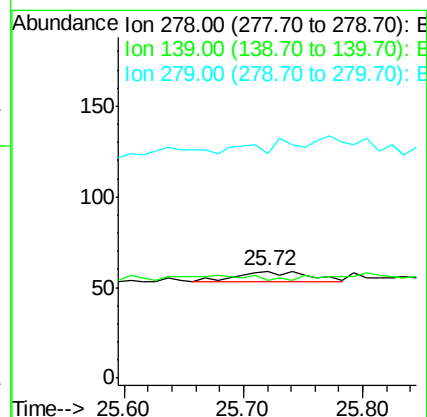
Tgt Ion: 278 Resp: 25

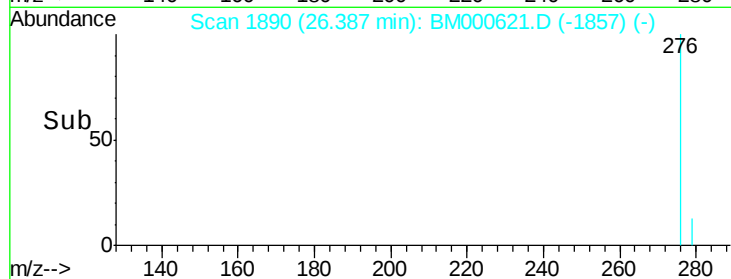
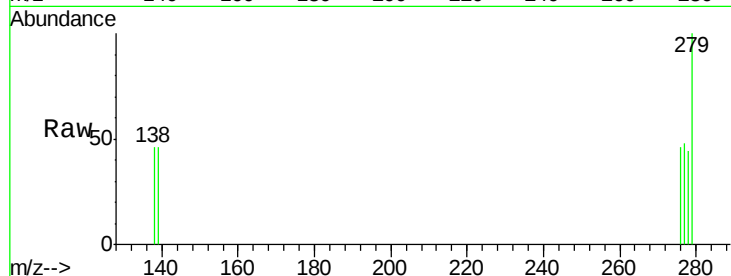
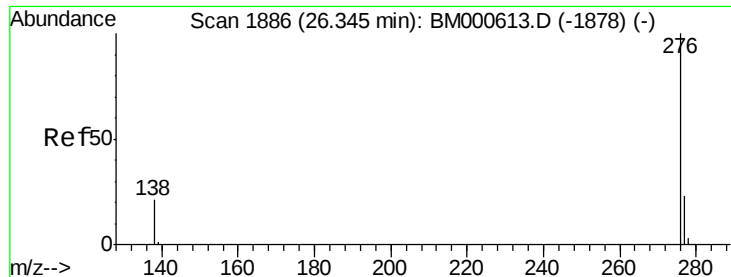
Ion Ratio Lower Upper

278 100

139 91.5 13.3 19.9#

279 210.2 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.39 min Scan# 1890

Delta R.T. 0.04 min

Lab File: BM000621.D

Acq: 27 Feb 2015 23:52

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	276	Resp:	36
Ion Ratio	Lower	Upper	
276	100		
277	103.5	19.8	29.8#
138	100.0	17.8	26.6#

